

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant(s): Schmidt et al.  
Appl. No.: 10/596,829  
Conf. No.: 1032  
Filed: June 26, 2006  
Title: COIL MELT CONDUCTOR COMPRISING AN INSULATING  
INTERMEDIATE COIL FOR A FUSE ELEMENT  
Art Unit: Unknown  
Examiner: Unknown  
Docket No.: 117842-003

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT TRANSMITTAL LETTER**

Sir:

Submitted herewith is an Information Disclosure Statement for consideration in the above-identified application. In accordance with the provisions of 37 C.F.R. 1.56, 37 C.F.R. 1.97, and 37 C.F.R. 1.98, Applicants request that a citation and examination of the references cited on the enclosed PTO-1449 form be made during the course of examination of the above-identified application for United States patent. Pursuant to 37 C.F.R. 1.98, copies of any cited foreign patent documents and non-patent documents are enclosed.

This Information Disclosure Statement is submitted:

- ☒ [X] Within three months of filing of a national application; within three months of the date of entry of the national stage as set forth in 37 C.F.R. §1.491 in an international application; before the mailing date of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a Request for Continued Examination.
- ☐ [ ] After the period specified above, but before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application and is accompanied by one of:
  - ☐ [ ] Payment of the fee set forth in 37 CFR 1.17(p); or
  - ☐ [ ] The certification specified in 37 CFR 1.97(e) follows.
- ☐ [ ] After the mailing the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application and is accompanied by the fee set forth in 37 CFR 1.17(p) and the certification specified in 37 CFR 1.97(e) follows.

- ☐ The undersigned counsel for applicant(s) hereby certifies each item of information contained in the accompanying Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Information Disclosure Statement.
- ☐ The undersigned counsel for applicant(s) hereby certifies that no item of information contained in the accompanying Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned, after making reasonable inquiry, no item of information contained in the accompanying Information Disclosure Statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the Information Disclosure Statement.
- ☐ A copy of a Search Report from a corresponding foreign patent application is enclosed..
- ☐ A check in the amount of \$180 to cover the required fee is enclosed.
- ☐ The Commissioner is hereby authorized to charge the amount of \$180 to cover the required fee to Deposit Account No. 02-1818.
- ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 02-1818.

Respectfully submitted,

BELL, BOYD & LLOYD LLC

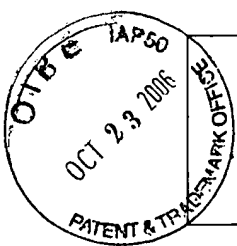
BY 

Robert W. Connors

Reg. No. 46,639

Customer No. 29176

Dated: October 17, 2006



**INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION**  
(Use several sheets if necessary)

PTO Form 1449

Atty Docket No. 117842-003	Application No. 10/596,829
Applicant Schmidt et al.	
Filing Date June 26, 2006	Group Unknown

**U.S. PATENT DOCUMENTS**

Examiner's Initials	Document Number	Publication Date	Inventor	Class	Subclass	Filing Date If Appropriate
	441,933	01/20/1981	Cartwright			
	480,802	08/16/1982	Blathy			
	876,273	01/07/1908	Hall			
	1,120,226	12/08/1914	Murray, Jr.			
	1,121,876	12/22/1914	Schipper			
	1,377,398	05/10/1921	Conrad			
	1,443,886	01/30/1923	Sands			
	1,485,211	02/26/1924	Berger			
	1,502,881	07/29/1924	Sandin			
	1,542,608	06/16/1925	Bussmann			
	1,562,985	11/24/1925	Murray			
	1,889,585	11/29/1932	Zodrow et al.			
	1,927,905	09/26/1933	Ackermann			
	2,168,153	08/01/1939	Brown			
	2,639,350	05/19/1953	Cox			
	2,662,952	12/15/1953	Nivoix			
	2,873,327	02/10/1959	Bernstein			
	2,876,312	03/03/1959	Frederick			
	2,929,900	03/22/1960	White			
	3,094,600	06/18/1963	Kozacka			
	3,143,615	08/04/1964	Kozacka			
	3,197,593	07/26/1965	Lange et al.			
	3,267,240	08/16/1966	Fitz Gerald			
	3,275,772	09/27/1966	Neff			
	3,301,979	01/31/1967	Fister			
	3,333,336	08/01/1967	Cameron et al.			
	3,348,007	10/17/1967	Urani			
	3,354,282	11/21/1967	Batasch			
	3,374,330	03/19/1968	Cameron			
	3,425,019	01/28/1969	Kozacka			
	3,460,086	08/05/1969	Fister			
	3,529,270	09/15/1970	Kozacka			

Examiner:	Date Considered:
*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

<b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b> (Use several sheets if necessary)  PTO Form 1449	Atty Docket No. 117842-003	Application No. 10/596,829
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	Filing Date June 26, 2006	Group Unknown

U.S. PATENT DOCUMENTS							
Examiner's Initials		Document Number	Publication Date	Inventor	Class	Subclass	Filing Date If Appropriate
		3,601,737	08/24/1971	Baird			
		3,701,979	10/31/1972	Belcher			
		3,721,936	03/20/1973	Belcher			
		3,766,509	10/16/1973	Cameron			
		3,868,619	02/25/1975	Blewitt			
		3,946,351	03/23/1976	Bronikowski et al.			
		3,962,668	06/08/1976	Knapp, Jr.			
		3,979,709	09/07/1976	Healey, Jr.			
		3,983,524	09/28/1976	Koch			
		3,983,526	09/28/1976	Koch			
		4,032,879	06/28/1977	Monagan			
		4,035,753	07/12/1977	Reeder			
		4,057,774	11/08/1977	Arikawa et al.			
		4,075,755	02/28/1978	Bernatt et al.			
		4,122,426	10/24/1978	Maruo			
		4,135,175	01/16/1979	Perreault			
		4,146,861	03/27/1979	Arikawa et al.			
		4,158,187	06/12/1979	Perreault			
		4,189,696	02/19/1980	Beswick et al.			
		4,205,294	05/27/1980	Jacobs, Jr.			
		4,215,331	07/29/1980	Kozacka			
		4,227,228	10/07/1980	Cheng			
		4,228,417	10/14/1980	Belcher			
		4,237,440	12/02/1980	Miyasaka et al.			
		4,267,543	05/12/1981	Arikawa			
		4,276,531	06/30/1981	Davis			
		4,283,700	08/11/1981	Akiyama			
		4,297,666	10/27/1981	Adollahi			
		4,346,362	08/24/1982	Feenan et al.			
		4,373,556	02/15/1983	Bergh			
		4,386,334	05/31/1983	Kozacka et al.			
		4,409,729	10/18/1983	Shah			

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U.S. PATENT DOCUMENTS							
Examiner's Initials		Document Number	Publication Date	Inventor	Class	Subclass	Filing Date If Appropriate
		4,414,528	11/08/1983	Bernstein			
		4,417,224	11/22/1983	Ross			
		4,417,226	11/22/1983	Asdollahi et al.			
		4,445,106	04/24/1984	Shah			
		4,460,887	07/17/1984	McAlear et al.			
		4,467,308	08/21/1984	Arikawa et al.			
		4,489,301	12/18/1984	Johnson et al.			
		4,511,875	04/16/1985	Arikawa			
		4,517,544	05/14/1985	Spaunhorst			
		4,528,536	07/09/1985	Blewitt et al.			
		4,532,489	07/30/1985	Phillips			
		4,533,895	08/06/1985	Kowalik et al.			
		4,540,969	09/10/1985	Sugar			
		4,559,514	12/17/1985	Arikawa			
		4,560,971	12/24/1985	Oh			
		4,563,666	01/07/1986	Borzoni			
		4,563,809	01/14/1986	Reeder			
		4,608,548	08/26/1986	Borzoni			
		4,630,022	12/16/1986	Yuza			
		4,636,765	01/13/1987	Krueger			
		4,646,053	02/24/1987	Mosesian			
		4,656,453	04/07/1987	Reeder			
		4,680,567	07/14/1987	Edwards			
		4,684,915	08/04/1987	Knapp, Jr.			
		4,703,299	11/27/1987	Vermij			
		4,736,180	04/05/1988	Oh			
		4,746,784	05/24/1988	Vermij			
		4,749,980	06/07/1988	Morrill, Jr. et al.			
		4,751,489	06/14/1988	Spaunhorst			
		4,837,546	06/06/1989	Berstein			
		4,851,805	07/25/1989	Poerschike			
		4,890,380	01/02/1990	Narancic et al.			

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	Filing Date June 26, 2006	Group Unknown

U.S. PATENT DOCUMENTS							
Examiner's Initials		Document Number	Publication Date	Inventor	Class	Subclass	Filing Date If Appropriate
		4,894,633	01/16/1990	Holtfreter			
		4,918,420	04/17/1990	Sexton			
		4,920,327	04/24/1990	Arikawa et al.			
		4,965,925	10/30/1990	Monter			
		4,972,169	11/20/1990	Kalra			
		4,996,509	02/26/1991	Berstein			
		5,101,187	03/31/1992	Yuza			
		5,109,211	04/28/1992	Huber			
		5,142,262	08/25/1992	Onken			
		5,153,553	10/06/1992	Ruehl et al.			
		5,162,773	11/10/1992	Shiozaki			
		5,187,463	02/16/1993	DiTroia et al.			
		5,214,406	05/25/1993	Reese et al.			
		5,229,739	07/20/1993	Oh et al.			
		5,235,307	08/10/1993	Oh			
		5,245,308	09/14/1993	Herbias			
		5,247,274	09/21/1993	Gurevich			
		5,252,942	10/13/1993	Gurevich			
		5,254,967	10/19/1993	Biasuitti et al.			
		5,280,261	01/18/1994	Mollet			
		5,298,877	03/29/1994	Gurevich			
		5,345,210	09/06/1994	Swensen et al.			
		5,355,110	10/11/1994	Ruggiero et al.			
		5,359,174	10/25/1994	Smith et al.			
		5,361,058	11/01/1994	Mosesian et al.			
		5,363,082	11/08/1994	Gurvien			
		5,406,245	04/11/1995	Smith et al.			
		5,446,436	08/29/1995	Williams			
		5,596,306	01/21/1997	Kowalik et al.			
		5,617,069	04/01/1997	Arikawa et al.			
		5,642,090	06/24/1997	Arikawa			
		5,661,628	08/26/1997	Yamagami			

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		5,726,620	03/10/1998	Arikawa			
		5,736,919	04/07/1998	Reeder			
		5,739,740	04/14/1998	Stark et al.			
		5,783,985	07/21/1998	Kowalik et al.			
		5,812,046	09/22/1998	Brown et al.			
		5,903,208	05/11/1999	Sorger			
		5,994,994	11/30/1999	Ito et al.			
		6,067,004	05/23/2000	Hibayashi et al.			
		6,147,585	11/14/2000	Kaira et al.			
		6,160,471	12/12/2000	Rybka et al.			
		6,507,265	01/14/2003	Ackermann			
		6,577,222	06/10/2003	Krueger et al.			
		6,642,833	11/04/2003	Ranjan et al.			
		6,650,223 B1	11/18/2003	Jöllenbeck et al.			
		6,664,886 B2	12/16/2003	Ackermann			
		6,798,330 B2	09/28/2004	Arikawa et al.			

FOREIGN PATENT DOCUMENTS								
Examiner's Initials		Document Number	Publication Date	Country	Class	Subclass	Translation	
							Yes	No
		GB 396 197	08/03/1933	United Kingdom				
		GB 659 689	10/24/1951	United Kingdom				
		GB 811 962	04/15/1959	United Kingdom				
		GB 1 200 702	07/29/1970	United Kingdom				
		GB 1 200 707	07/29/1970	United Kingdom				
		GB 2 233 512	09/01/1991	United Kingdom				
		GB 2 248 734	04/15/1992	United Kingdom				
		DE 450 343	10/06/1927	Germany				
		DE 721 967	06/25/1942	Germany				
		DE 3051 177	03/26/1981	Germany				
		DE 86 08 325	09/03/1987	Germany				
		DE 38 33 329 A1	04/20/1989	Germany				
		DE 38 33 329 C2	04/20/1989	Germany				

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FOREIGN PATENT DOCUMENTS								
Examiner's Initials		Document Number	Publication Date	Country	Class	Subclass	Translation	
							Yes	No
		DE 94 07 540	10/19/1995	Germany				
		DE 296 16 063	12/12/1996	Germany				
		DE 297 06 366	07/17/1997	Germany				
		EP 0 423 897	04/24/1991	EPO				
		FR 2 638 566	05/04/1990	France				
		JP 5 17903	01/26/1993	Japan				
		JP 5 72033	01/26/1993	Japan				
		WO 85/01149	03/14/1985	PCT				
		WO 96/08832	03/21/1996	PCT				
		WO 96/41359	12/19/1996	PCT				

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PTO/SB/21 (09-06)

Approved for use through 03/31/2007. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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## TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Application Number 10/596,829

Filing Date June 26, 2006

First Named Inventor Schmidt et al.

Art Unit Unknown

Examiner Name Unknown

Attorney Docket Number 117842-003

### ENCLOSURES (Check all that apply)

- |   |  |   |
|---|--|---|
| <input type="checkbox"/> Fee Transmittal Form                             | <input type="checkbox"/> Drawing(s)  | <input type="checkbox"/> After Allowance Communication to TC                            |
| <input type="checkbox"/> Fee Attached                                     | <input type="checkbox"/> Licensing-related Papers  | <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences     |
| <input type="checkbox"/> Amendment/Reply                                  | <input type="checkbox"/> Petition  | <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) |
| <input type="checkbox"/> After Final                                      | <input type="checkbox"/> Petition to Convert to a Provisional Application  | <input type="checkbox"/> Proprietary Information  |
| <input type="checkbox"/> Affidavits/declaration(s)                        | <input type="checkbox"/> Power of Attorney, Revocation   | <input type="checkbox"/> Status Letter  |
| <input type="checkbox"/> Extension of Time Request                        | <input type="checkbox"/> Change of Correspondence Address  | <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):         |
| <input type="checkbox"/> Express Abandonment Request                      | <input type="checkbox"/> Terminal Disclaimer   |   |
| <input checked="" type="checkbox"/> Information Disclosure Statement      | <input type="checkbox"/> Request for Refund  |   |
|   | <input type="checkbox"/> CD, Number of CD(s) _____   |   |
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| <input type="checkbox"/> Certified Copy of Priority Document(s)           | <b>Remarks</b>   |   |
| <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application   | Information Disclosure Statement Transmittal Letter (2 pages); PTO Form 1449 (6 pages); Copies of Foreign References cited; and return receipt postcard. |   |
| <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53 |  |   |

### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name Bell, Boyd & Lloyd LLC

Signature *Robert W. Connors*

Printed name Robert W. Connors

Date October 17, 2006

Reg. No. 46,639

### CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature *Heather Foster*

Typed or printed name Heather Foster

Date October 17, 2006

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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